Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/05/2017 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124687	-1	1.24	124619	1.23
Blue	F	SSC	125000	124401	-1	2.84	124827	2.69
Blue	E	FITC	23615	23031	-3	2.38	1026	10.34
Blue	D	PE	26739	26383	-2	1.95	947	9.76
Blue	B	PerCP-Cy5-5	48339	47825	-2	3.38	1370	16.65
Blue	A	PE-Cy7	45021	44915	-1	5.00	700	35.10
Red	C	APC	53064	52495	-2	2.75	3026	9.48
Red	A	APC-Cy7	57175	56431	-2	2.73	1187	11.14
Violet	B	V450	14728	14026	-5	5.45	674	9.77
Violet	A	V500	58621	56402	-4	5.28	2497	7.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19383	2.12	606	-8	N/A	N/A	Pass
Blue	F	SSC	61491	1.41	543	-3	N/A	N/A	Pass
Blue	E	FITC	115	37.49	544	-4	0.0199	57	Pass
Blue	D	PE	206	28.51	534	-2	0.1575	212	Pass
Blue	B	PerCP-Cy5-5	214	44.84	632	-3	0.0106	122	Pass
Blue	A	PE-Cy7	76	117.59	691	-2	0.0121	16	Pass
Red	C	APC	354	27.13	596	-1	0.0201	28	Pass
Red	A	APC-Cy7	130	40.67	579	-1	0.0056	1844	Pass
Violet	B	V450	82	43.24	466	-4	0.0467	2084	Pass
Violet	A	V500	183	22.17	493	-4	0.0153	341	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.09	-31.67	0.86
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	19.01	14.40 - 21.60	N/A	N/A	31.39	31.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11500

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments